COMPEX, INC.
A N E T - 4 ,   A N E T - 4 2

NIC Type	ARCnet
Transfer Rate	2.5Mbps
Data Bus	8-bit ISA
Topology	Star (ANET-4)
	Linear Bus (ANET-42)
Wiring Type	RG-62A/U 93ohm coaxial
Boot ROM	Available
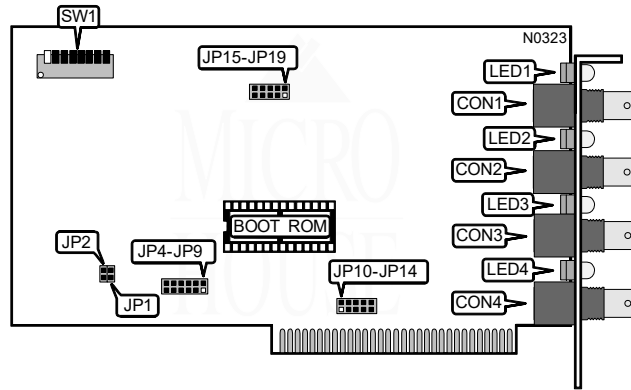
NODE ADDRESS								
Node	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6	SW1/7	SW1/8
0	-	-	-	-	-	-	-	-
1	Off	On	On	On	On	On	On	On
2	On	Off	On	On	On	On	On	On
3	Off	Off	On	On	On	On	On	On
4	On	On	Off	On	On	On	On	On
251	Off	Off	On	Off	Off	Off	Off	Off
252	On	On	Off	Off	Off	Off	Off	Off
253	Off	On	Off	Off	Off	Off	Off	Off
254	On	Off	Off	Off	Off	Off	Off	Off
255	Off	Off	Off	Off	Off	Off	Off	Off

Note: Node address 0 is used for messaging between nodes and must not be used.
A total of 255 node address settings are available. The switches are a binary representation of the decimal node addresses. Switch 1 is the Least Significant Bit and switch 8 is the Most Significant Bit. The switches have the following decimal values: switch 1=1, 2=2, 3=4, 4=8, 5=16, 6=32 7=64, 8=128. Turn off the switches and add the values of the off switches to obtain the correct node address. (On=0, off=1)

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TIMEOUT CONFIGURATION		
Response Time	JP1	JP2
í74.7µs	Open	Open
283.4µs	Open	Closed
561.8µs	Closed	Open
1118.6µs	Closed	Closed
Note: Timeout is the time required for the network signal to make a complete trip around the network. Using a longer than necessary timeout will result in degradation of network performance.		

I/O BASE ADDRESS						
Address	JP4	JP5	JP6	JP7	JP8	JP9
260h	Closed	Open	Open	Closed	Closed	Open
280h	Closed	Closed	Closed	Open	Closed	Open
í2E0h	Closed	Open	Open	Open	Closed	Open
2F0h	Open	Open	Open	Open	Closed	Open
300h	Closed	Closed	Closed	Closed	Open	Open
360h	Closed	Open	Open	Closed	Open	Open
Note: Jumpers count from the right to left in the diagram.						

INTERRUPT REQUEST					
IRQ	JP10	JP11	JP12	JP13	JP14
í2	Closed	Open	Open	Open	Open
3	Open	Closed	Open	Open	Open
4	Open	Open	Closed	Open	Open
5	Open	Open	Open	Closed	Open
7	Open	Open	Open	Open	Closed

BOOT ROM ADDRESS					
Address	JP15	JP16	JP17	JP18	JP19
C0000h	Closed	Closed	Closed	Open	Open
C8000h	Open	Closed	Closed	Open	Open
CC000h	Open	Open	Closed	Open	Open
íD0000h	Closed	Open	Closed	Open	Open
Note: Jumpers count from the right to left in the diagram.					

DIAGNOSTIC LED(S)			
LED	Color	Status	Condition
LED1	Red	On	Activity detected on CON1
LED1	Red	Off	No activity detected on CON1
LED2	Red	On	Activity detected on CON2
LED2	Red	Off	No activity detected on CON2
LED3	Red	On	Activity detected on CON3
LED3	Red	Off	No activity detected on CON3
LED4	Red	On	Activity detected on CON4
LED4	Red	Off	No activity detected on CON4